

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0002	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard East Levee Sutter Bypass	A	22.12						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments						0.01		
Animal Control	0.05		0.05	0.23%				
<i>Supplemental</i>								
USACE Erosion Survey	0.03		0.03	0.14%				
<i>LMA Totals:</i>	0.08	0.00	0.08	0.36%	0.00	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Sutter Maintenance Yard East Levee Sutter Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Bypass Levee			Left	22.12
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/12/2012 - 04/13/2012		10/01/2012 - 10/01/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Steve Beckley Sutter Yard		Steve Beckley Sutter Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sutter Bypass Levee				Left	22.12	10/01/2012 10/01/2012	Bob Duffey	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	4
DWR ID: DWR_ST0002_01_s_2012_4										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	5
DWR ID: DWR_ST0002_01_s_2012_5										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	6
DWR ID: DWR_ST0002_01_s_2012_6										
4	3.60	3.60	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.120422 ° -121.779907 °	39.120422 ° -121.779907 °	7 Y
DWR ID: DWR_ST0002_01_f_2012_7										
5	3.84	3.84	Earthen Levee	Animal Control	WS	A Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.118493 ° -121.776328 °	39.118493 ° -121.776328 °	324 Y
DWR ID: DWR_ST0002_01_s_2012_324										
6	4.97	4.99	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.107193 ° -121.761777 °	39.106848 ° -121.761472 °	8 Y
DWR ID: DWR_ST0002_01_f_2012_8										
7	10.89	10.92	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Small section of the mid levee slope has eroded from wind wave. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: SBP_11-1_L]	39.024835 ° -121.726929 °	39.024399 ° -121.726808 °	1
DWR ID:										
8	16.40	16.40	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.965675 ° -121.670967 °	38.965675 ° -121.670967 °	325 Y
DWR ID: DWR_ST0002_01_s_2012_325										
9	16.59	16.59	Earthen Levee	Animal Control	LS	A Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.963578 ° -121.668533 °	38.963578 ° -121.668533 °	326 Y
DWR ID: DWR_ST0002_01_s_2012_326										
10	20.64	20.64	Earthen Levee	Encroachments	LS	U En	BU : Building	38.918147 ° -121.624545 °	38.918147 ° -121.624545 °	10 Y
DWR ID: DWR_ST0002_01_s_2012_10										
11	20.91	20.91	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.914568 ° -121.623260 °	38.914568 ° -121.623260 °	327
DWR ID: DWR_ST0002_01_s_2012_327										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	22.12	10/01/2012 10/01/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	3.60
End Levee Mile	3.60
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of rodent activity along landside slope.

rduffey_f_20121203_370.JPG



Levee Mile Report Line	5
Start Levee Mile	3.84
End Levee Mile	3.84
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of the grouted rodent holes.

rduffey_f_20120911_268.jpg



Levee Mile Report Line	6
Start Levee Mile	4.97
End Levee Mile	4.99
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of rodent activity along the landside slope.

rduffey_f_20121203_371.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	22.12	10/01/2012 10/01/2012	Bob Duffey

Levee Mile Report Line	8
Start Levee Mile	16.40
End Levee Mile	16.40
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the grouted rodent hole.

rduffey_f_20120911_269.jpg



Levee Mile Report Line	9
Start Levee Mile	16.59
End Levee Mile	16.59
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the grouting of the rodent holes along landside slope.

rduffey_f_20121203_397.JPG



Levee Mile Report Line	10
Start Levee Mile	20.64
End Levee Mile	20.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the building next to the landside toe of the levee.

rduffey_f_20120911_267.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement